

Andrea Lamberti



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Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

PREVIOUS WORK EXPERIENCE

From 16/02/2021 to 15/01/23

Associate Professor (L.240)

Department of Applied Science and Technology (DISAT) - FIS / 03 Physics of Matter

Politecnico di Torino

- Principal investigator of 4 research project (of which 1 ERC Starting Grant)
- Main Teacher of a Bachelor degree's course in Physics Engineering at the Politecnico di Torino
- Assistant lecturer in a course in the Nanotechnologies for ICT master's degree at the Politecnico di Torino
- Teacher of a second level Master's module at the Politecnico di Torino
- Tutor of 8 PhD students
- Tutor of 9 master's thesis students
- Coordination and carrying out of research and writing of projects related to the energy and sustainability sector

Business or sector Technology transfer, R&D and didactive activity

From 03/09/2020 to today

Visiting Scientist

Center for Sustainable Future Technologies

Istituto Italiano di Tecnologia

- Carrying out research activities relating to the development of supercapacitors in the form of wire and the integration of self-sufficient energy systems to power CO2 electro-reduction devices.

Business or sector Technology transfer, R&D and didactive activity

Dal 16/02/2018 al 15/02/2021

RTDB (L.240/2010).

Department of Applied Science and Technology (DISAT) - FIS / 03 Physics of Matter

Politecnico di Torino

- Principal investigator of 5 research projects
- Main Teacher of a Bachelor degree's course in Physics Engineering at the Politecnico di Torino
- Assistant lecturer in a course in the Nanotechnologies for ICT master's degree at the Politecnico di Torino
- Tutor of 7 PhD students
- Tutor of 8 master's thesis students
- Coordination and carrying out of research and writing of projects related to the energy and sustainability sector

Business or sector Technology transfer, R&D and didactive activity

Dal 01/12/2016 al 15/02/2018

RTDA (L.240/2010)

Department of Applied Science and Technology (DISAT) - FIS / 03 Physics of Matter

Politecnico di Torino

- Principal investigator of 2 research projects

- Assistant lecturer in a Bachelor degree's course in Physics Engineering at the Politecnico di Torino
 - Assistant lecturer in a course in the Nanotechnologies for ICT master's degree at the Politecnico di Torino
 - Tutor of 2 PhD students
 - Tutor of 3 master's thesis students
 - Coordination and carrying out of research and writing of projects related to the energy and sustainability sector
- Business or sector Technology transfer, R&D and didactive activity

EDUCATION AND TRAINING

- 21/02/2013 PhD in Electronic Devices
XXV Cycle – Politecnico di Torino
Thesis Title “Metal-Oxide Nanostructures for Energy Applications”
- 21/04/2009 Master degree in Physical Engineering
Final evaluation 110/110 cum laude
Thesis title: “Problematiche di adesione annesse alla fabbricazione di dispositivi microfluidici in PDMS”

PERSONAL SKILLS

- Mother tongue(s) Italian
- Other language(s) English (IELTS)

ADDITIONAL INFORMATION

Best 5 Publications over 120
H-index (G-scholar)=38
4660 citations

1. **Lamberti, A.**, Serrapede, M., Ferraro, G., Fontana, M., Perrucci, F., Bianco, S., ... & Bocchini, S. (2017). All-SPEEK flexible supercapacitor exploiting laser-induced graphenization. **2D Materials**, 4(3), 035012.
2. Rafique, A., Massa, A., Fontana, M., Bianco, S., Chiodoni, A., Pirri, C. F., ... & **Lamberti, A.** (2017). Highly uniform anodically deposited film of MnO₂ nanoflakes on carbon fibers for flexible and wearable fiber-shaped supercapacitors. **ACS applied materials & interfaces**, 9(34), 28386-28393.
3. Scalia, A., Varzi, A., **Lamberti, A.**, Tresso, E., Jeong, S., Jacob, T., & Passerini, S. (2018). High energy and high voltage integrated photo-electrochemical double layer capacitor. **Sustainable Energy & Fuels**, 2(5), 968-977.
4. Serrapede, M., Rafique, A., Fontana, M., Zine, A., Rivolo, P., Bianco, S., ... & **Lamberti, A.** (2019). Fiber-shaped asymmetric supercapacitor exploiting rGO/Fe₂O₃ aerogel and electrodeposited MnOx nanosheets on carbon fibers. **Carbon**, 144, 91-100.
5. Reina, M., Scalia, A., Auxilia, G., Fontana, M., Bella, F., Ferrero, S., & **Lamberti, A.** (2021). Boosting Electric Double Layer Capacitance in Laser - Induced Graphene - Based Supercapacitors. **Advanced Sustainable Systems**, 2100228.